

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.ah RHIC Zone 1z1 Sweep Checklist

C-A OPM Procedures in which this Attachment is used.
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4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ ***Signature on File*** _____
 Collider-Accelerator Department Chairman Date

P. Ingrassia, W. MacKay

RHIC Zone 1z1 Sweep Checklist

Team leader (TL) _____ Sweeper#2 (S2) _____

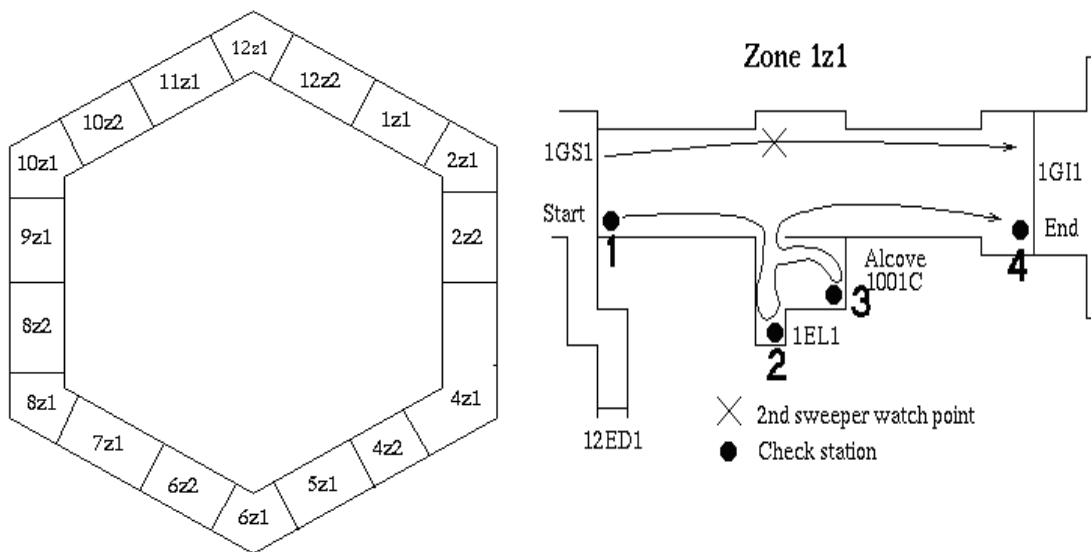
Time: _____ Date: _____

Warning:

IF any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

Prerequisites

- Two persons to perform the sweep,
- At least one sweeper not restricted from working at heights over five feet.
- RHIC Zone 1z1 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 1z1 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014, padlock key



Note:

References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the "lower" cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visible only by the Team Leader

CONTINUED ON REVERSE SIDE

check

- ___ 1. Sweep team goes to gate 1GI1 TL requests simultaneous release from MCR.
- ___ 2. TL opens 1GI1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 1GI1.
- ___ 3. Sweep Team walks to 1GS1 doors. (TL inside and Sweeper 2 outside).
- ___ 4. TL resets gate 1GS1 using the S/R015 key in the Reset keyswitch
- ___ 5. TL observes the yellow GATE RESET lamp is lighted
- ___ 6. TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 1GS1-I (1CS1).
- ___ 7. TL observes AREA SECURED lamp blink once.
- ___ 8. Sweep team sweeps Clockwise (CW) around RHIC.
- ___ 9. TL stops to check the Exhaust Fan Vent Barrier at I1Q17D16.
- ___ 10. Sweep team sweeps Clockwise (CW) around RHIC.
- ___ 11. S2 stands static watch at the electrical services alcove opposite I1D13Q13.
- ___ 12. TL enters the alcove and goes to the ladder at 1EL1.
- ___ 13. IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is on the landing and to check that 1EL1 is closed.
- ___ 14. TL resets gate 1EL1 using the S/R015 key in the Reset keyswitch at the bottom of the ladder.
- ___ 15. IF 1EL1 will not reset THEN TL climbs the ladder, closes 1EL1, then repeats step 14.
- ___ 16. TL observes RESET lamp lights after RESET.
- ___ 17. TL sets second check station (1CS2) by turning S/R015 key in the SWEEP keyswitch.
- ___ 18. TL observes AREA SECURED lamp blink once.
- ___ 19. TL goes to the far corner of the alcove to 1CS3.
- ___ 20. TL sets third check station (1CS3) by turning S/R015 key in the SWEEP keyswitch.
- ___ 21. TL observes AREA SECURED lamp blink once.
- ___ 22. TL checks inside EVERY rack and then sweeps out the alcove and joins S2.
- ___ 23. TL checks exhaust fan vent (1EF2) barrier and overhead barrier at O-01Q13
- ___ 24. Sweep team sweeps Clockwise (CW) around RHIC.
- ___ 25. Check overhead conduit at O-01Q9 with a flashlight
- ___ 26. Sweep Team stops to check the inner and outer Exhaust Fan Vent Barriers at I-O1DU7.
- ___ 27. Sweep team sweeps Clockwise (CW) around RHIC.
- ___ 28. Sweep Team checks behind and above electrical service panels at I-O1D5 and confirms overhead barricades are in place.
- ___ 29. Sweep team sweeps Clockwise (CW) around RHIC.
- ___ 30. Sweep Team stops to check the inner and outer Exhaust Fan Vent Barriers in place at I-O1D0.
- ___ 31. TL ENDS SWEEP by turning the S/R015 key SWEEP key on 1GI1-I (1CS4).
- ___ 32. TL observes the yellow AREA SECURED lamp is lighted
- ___ 33. TL contacts MCR for simultaneous release for gate 1GI1.
- ___ 34. TL sweeps out 1Z1 through 1GI1I door, while S2 SIMULTANEOUSLY sweeps out 1GI1O
- ___ 35. TL resets gate 1GI1 using the S/R015 key in the Reset keyswitch at 1GI1 on 2Z1 side
- ___ 36. TL observes the yellow GATE RESET lamp is lighted
- ___ 37. TL contracts MCR and confirms that gates are reset and 1Z1 zone indicates sweep is good.

Note:

IF the AREA SECURED lamp is not lit THEN contact MCR to verify sweep is good

- ___ 38. After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.